

MONTHLY CLIMATE SUMMARY, AUGUST 2012

NIU WEATHER SERVICE: DE KALB, ILL.

Day	Record		Average		Obs.		Obs. Avg.	GDD	CDD	HDD	Precip. (in)	Snowfall (in)
	HI	LO	HI	LO	HI	LO						
1	98	42	84	62	84	65	74.5	24.5	9.5	0	0	0.0
2	98	44	86	63	88	66	77	27	12	0	0	0.0
3	100	42	85	64	89	68	78.5	28.5	13.5	0	0	0.0
4	99	44	85	64	92	71	81.5	31.5	16.5	0	0	0.0
5	100	43	83	62	91	65	78	28	13	0	0.56	0.0
6	102	44	82	62	81	59	70	20	5	0	0	0.0
7	100	46	82	62	83	61	72	22	7	0	0	0.0
8	103	43	82	62	92	64	78	28	13	0	0	0.0
9	102	44	84	62	81	67	74	24	9	0	0.08	0.0
10	98	47	83	62	78	59	68.5	18.5	3.5	0	0.16	0.0
11	97	45	81	61	74	52	63	13	0	2	0	0.0
12	104	45	81	60	77	53	65	15	0	0	0	0.0
13	98	47	81	61	75	58	66.5	16.5	1.5	0	0.17	0.0
14	99	43	81	61	66	55	60.5	10.5	0	4.5	0.24	0.0
15	97	44	81	61	81	57	69	19	4	0	0	0.0
16	99	42	83	61	85	62	73.5	23.5	8.5	0	0	0.0
17	103	44	83	62	75	52	63.5	13.5	0	1.5	0.27	0.0
18	102	43	82	61	75	52	63.5	13.5	0	1.5	0	0.0
19	100	45	80	60	77	56	66.5	16.5	1.5	0	0	0.0
20	100	40	80	60	77	54	65.5	15.5	0.5	0	0	0.0
21	100	42	81	59	79	53	66	16	1	0	T	0.0
22	99	41	81	61	80	55	67.5	17.5	2.5	0	0	0.0
23	100	43	81	60	86	58	72	22	7	0	0	0.0
24	100	40	81	60	92	63	77.5	27.5	12.5	0	0	0.0
25	95	41	80	61	94	65	79.5	29.5	14.5	0	0	0.0
26	97	42	81	62	92	67	79.5	29.5	14.5	0	0	0.0
27	97	40	81	63	74	65	69.5	19.5	4.5	0	0.38	0.0
28	99	39	81	61	86	61	73.5	23.5	8.5	0	0	0.0
29	96	38	80	60	87	61	74	24	9	0	0	0.0
30	98	36	80	59	85	63	74	24	9	0	0	0.0
31	100	35	79	58	91	64	77.5	27.5	12.5	0	0	0.0

Temperature

1981-2010 AVG. HI: 81.6(F)
 1981-2010 AVG. LOW: 61.1(F)
 1981-2010 AVG. TEMP.: 71.4(F)
 August 2012 AVG. HI: 82.8(F)
 August 2012 AVG. LO: 60.4(F)
 August 2012 AVG. TEMP.: 71.6(F)

Precipitation

August 2012 TOTAL: 1.86 in.
 August AVG.: 4.34 in.
 August 2012 SNOW: 0
 August SNOW AVG: 0
 2012 liquid-eq. YEAR TO DATE: 16.32 in.
 liquid-eq. YEAR TO DATE AVG.: 25.92 in.
 2011-12 Seasonal SNOW TO DATE: 0
 Seasonal SNOW TO DATE AVG.: 0

Degree Days

COOLING: 8/12: 213.5
 1/12-Now: 989.5
 HEATING: 8/12: 9.5
 7/12-Now: 9.5
 GROWING: 8/12: 669
 1/12-Now: 2909

Discussion

August's mean temperature of 71.6°F was very close to the historical normal. Most of August included high temperatures that were within the middle to upper 80's, with the highest temperature recorded on August 25th at 94°F. The lowest temperature for August was recorded on the 10th, 17th, and 18th at 52°F. Comparing seasonal historical rankings for summer mean temperature (1966-2012), 2012 ranked as the fourth hottest with a mean temperature at 82.6°F. The hottest summer was 1991, with a mean temperature of 85.7°F.

August's precipitation total was 1.86 in., which is about 2.45 in. less than August normal precipitation. In comparison to historical records extending to 1966, August 2012's precipitation total ranks as the 7th driest; the driest August was in 1970 at 1.11 in. These dry conditions have persisted throughout the summer season leading poor crop production for most of the Midwest. An examination of the most recent U.S. Drought Monitor suggests that most of the Midwest is still under an extreme to severe drought. (http://droughtmonitor.unl.edu/DM_midwest.htm)

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 This summary was prepared by John Barmann, 1 September 2012. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623.
 Climate Website: <http://climate.niu.edu> Special recognition to Stephen Strader acting as Summer Weather Director.

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August 2012 Daily Highs and Lows with 1981-2010 Average Highs and Lows
 Prepared by John Barmann, NIU Weather Director

